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TITLE: Structure for assembling motor stator of **linear compressor**

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BASIC-ABSTRACT:

NOVELTY - Motor stator assembling structure of a **linear compressor** is provided to improve reliability of a **compressor** by assembling a motor stator in a frame firmly against vibration and impact, and to prevent parts from being broken by separating parts.

DETAILED DESCRIPTION - A cylindrical installation part is formed in a

frame(10), and round assembling grooves(14) are formed around the installation part. Plural assembling protrusions(30a) are formed in an inner stator assembly(30) of a motor(M) to combine with plural assembling grooves. The installation part of the frame is inserted to the inner stator assembly, and assembling protrusions are inserted to assembling grooves. Vibration and impact are transmitted to the frame and the inner stator assembly in reciprocating a moving mass including a permanent **magnet**(32), a permanent **magnet** holder(41) and a piston(40), and in straining or contracting springs(60,61) to support the moving mass. The reliability of the **compressor** is improved, and breakage is prevented with assembling the frame with the inner stator assembly firmly against vibration or impact.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: STRUCTURE ASSEMBLE MOTOR STATOR **LINEAR COMPRESSOR**

DERWENT-CLASS: Q56

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